

B1 2A-3E include hinge portions 76 and 86, respectively. The hinge member 76 of cover 14 includes tab portions 78 which are formed from a die configuration that creates cavity sections 82 (Fig. 2B) in a direction perpendicular to the plane of cover 14. Additionally, the die allows cavity sections 84 (viewed from Figure 2E) to be formed in a direction parallel to the plane of cover 14 and in a location between cavity sections 82. The insert portions of the die are strategically located such that cavity sections 82 and 84 cooperate to form a continuous passage 88 (Figures 2B and 2D) which is created without the need for additional steps involving a metal rod die insert as is required with conventional hinge molding techniques.

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B2 [0046] Referencing Figures 10 and 11, the mold used to construct the cover 14 of the storage container 10 will now be described. The tool 140 includes a first, second, and third die member 136, 144, and 138. Die 136 includes vertical pegs 142 extending therefrom. The base 12 is molded from a similar tool having a corresponding peg and tab arrangement which are offset from those of the cover tool 140 such that the molded parts cooperate to form a hinge. As such, a similar die arrangement is used to mold the cover plates 16, 18.

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B3 [0049] In a third general step, the first, second, and third die members 136, 144, and 138 are removed to reveal a cover 14 having a first continuous passage 88.

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